



# FEMA



Prepared by  
*Jennifer McNatt*

# FEMA Region 6 Weather Threat Briefing

Sunday, April 7, 2019

**Disclaimer:** The purpose of this briefing is to provide a **Regional** weather threat assessment and is meant as a general overview. County/Parish decision makers should consult their local NWS forecast offices for the latest detailed, local weather information.

To find your local NWS forecast office, go to [www.weather.gov/srh](http://www.weather.gov/srh).

# Summary of the Upcoming Week



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## Today

- Slight risk of severe thunderstorms across E/SE TX, AR and LA. Damaging winds, hail, and a few tornadoes possible.
- Heavy rainfall / flash flooding possible over much of E TX, LA and SE AR.

## Monday

- A few strong storms remain possible over E/SE LA; damaging winds are the main threat.

## Tuesday - Wednesday

- Elevated to critical fire weather conditions over NM & W TX on Tuesday; over NM on Wednesday.

## Thursday

- No significant weather impacts expected at this time.

## River Flooding

- Moderate to Major river flooding will continue on the Mississippi River in E/SE LA.
  - Impacts to shipping and industrial activities on the river, numerous flooded roadways near the river.
  - Current forecasts show levels will continue to fall into next week. However, current forecasts do not account for any additional rainfall beyond 24 hours or any flooding from the upstream portions of the MS River.
- The Navasota River in E-Central TX is expected to rise in the next few days due to recent rainfall; State Highway 21 may become cut off, lowland flooding may occur, as well as agricultural impacts.

# FEMA Region 6 Threat Matrix

Apr 7, 2019 – Apr 11, 2019



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DAY / THREAT	SUN	MON	TUE	WED	THU
Severe Storms	E/SE TX, AR, LA	E/SE LA			
Heavy Rain / Flash Flooding	E TX, LA, SE AR				
Winter Weather					
Fire Weather			SE NM, W TX	NM	
River Flooding	E/SE LA	E/SE LA	E/SE LA	E/SE LA	E/SE LA
	E-Cntrl TX	E-Cntrl TX	E-Cntrl TX		

	No Weather Threats Expected
	Very Common – Happens Often
	Common – Happens Frequently
	Uncommon – A Few Times a Year
	Rare – Once Every 1-5 Years
	Very Rare – Once Every 5-10 Years

*\*Threat levels are based on FEMA Region 6 criteria.  
State or local threat level criteria may differ.\*  
For more details on the colors in the threat matrix refer to the last slide in this briefing.*

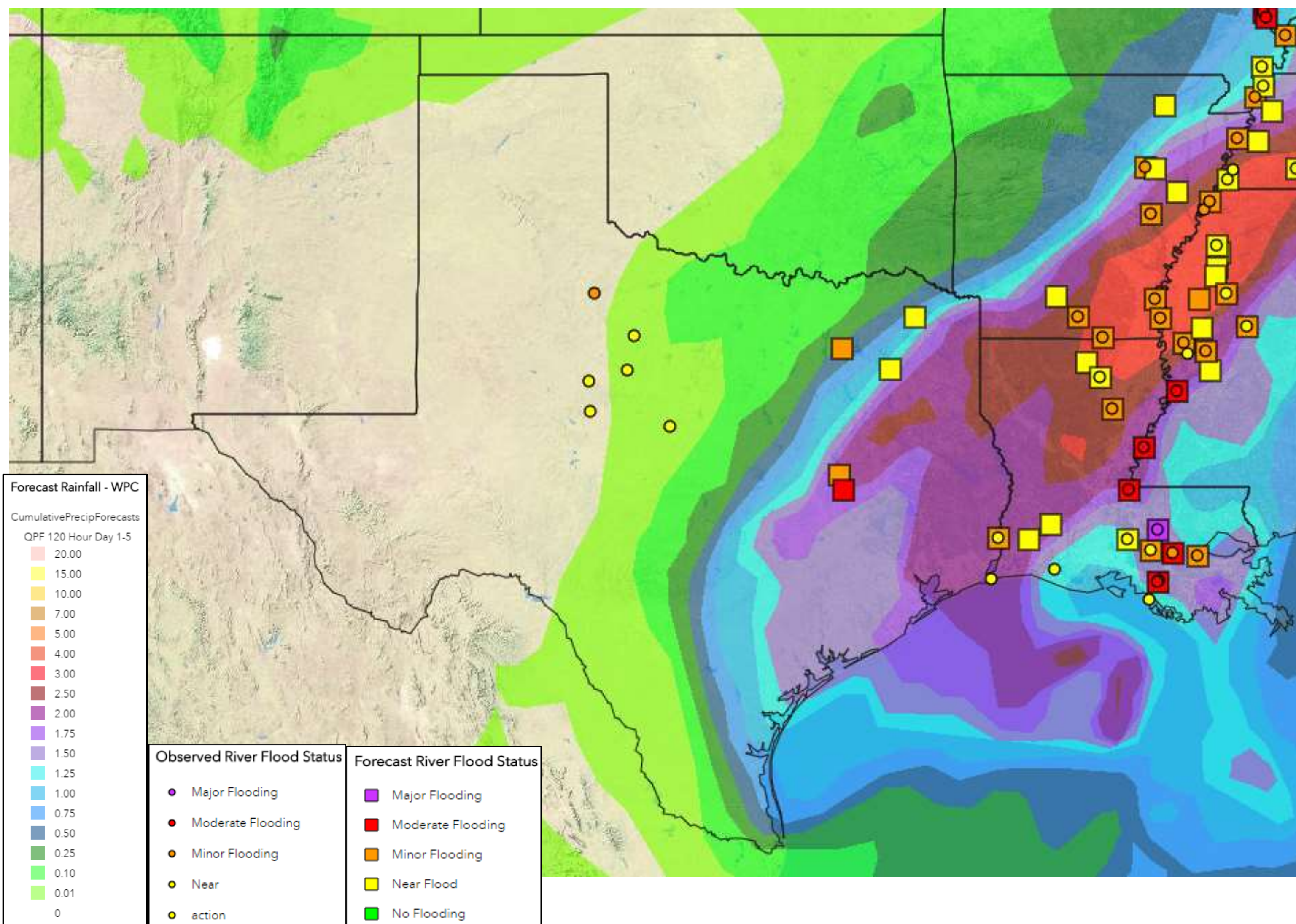


# 5-Day Precipitation Forecast & River Flood Status



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*Note: Even though the image displays 5 days of forecasted rainfall, river forecasts only include 1-2 days of rainfall*



**Moderate to Major river flooding will continue on the Mississippi River in E/SE LA.**

- **MS River at Baton Rouge is at Major flood. Current forecasts have levels dropping into Moderate flood next week. Shipping and industrial activities are significantly affected.**
- **Several other points remain at moderate flood.**
- **The Bonnet Carre Spillway is operating to reduce flow and maintain just under a 17.0ft stage at New Orleans. It will remain open for a couple of more weeks. No impacts are noted.**

**Minor river flooding will continue for much of this week on the MS River in E AR.**

**Note: Current forecasts do not account for any additional rainfall beyond 24 hours or any additional flooding from the upstream portions of the Mississippi River.**

**The Navasota River in E-Central TX is expected to rise in the next few days due to recent rainfall; State Highway 21 may become cut off, lowland flooding may occur, as well as agricultural impacts.**

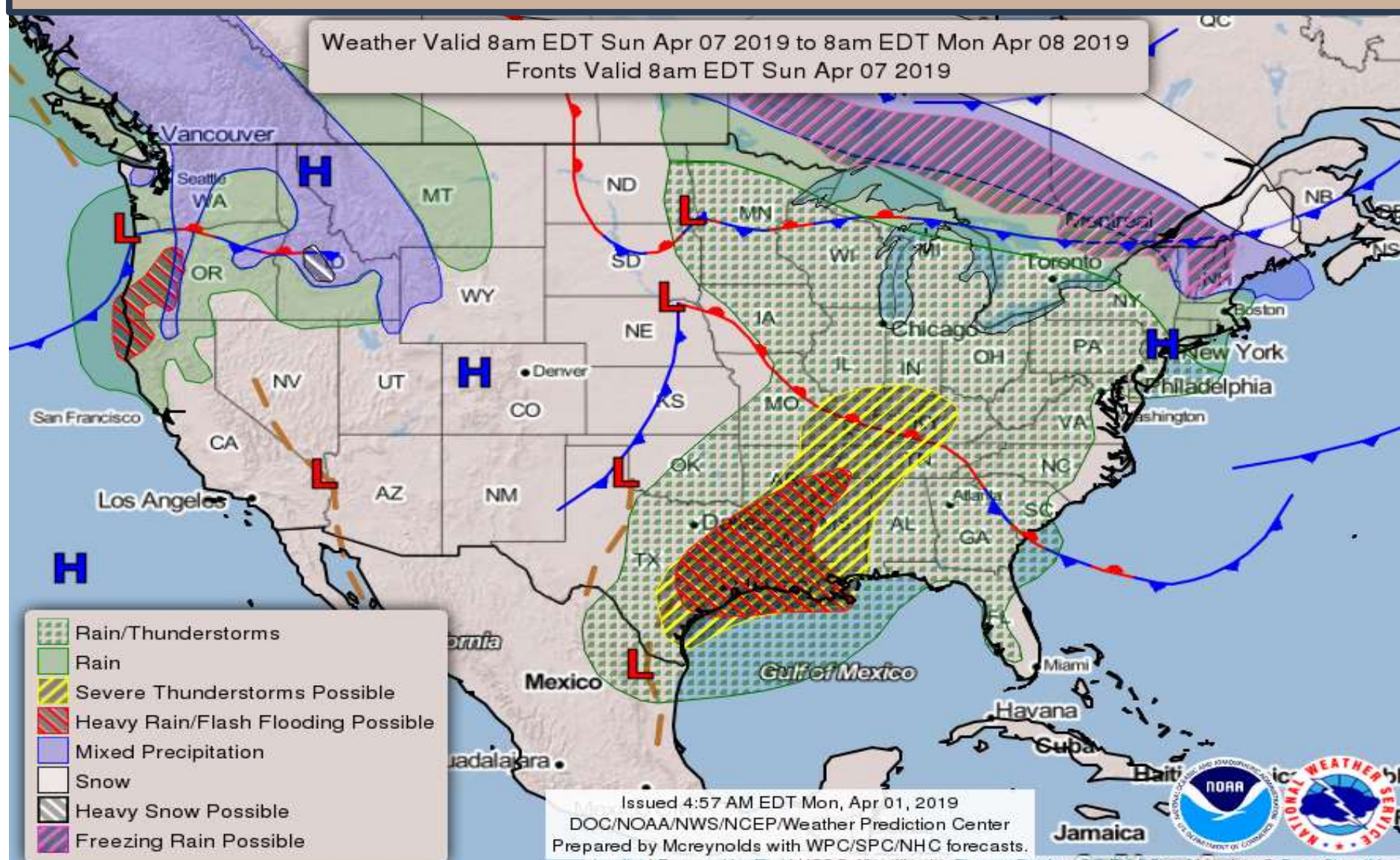


# Today's Weather

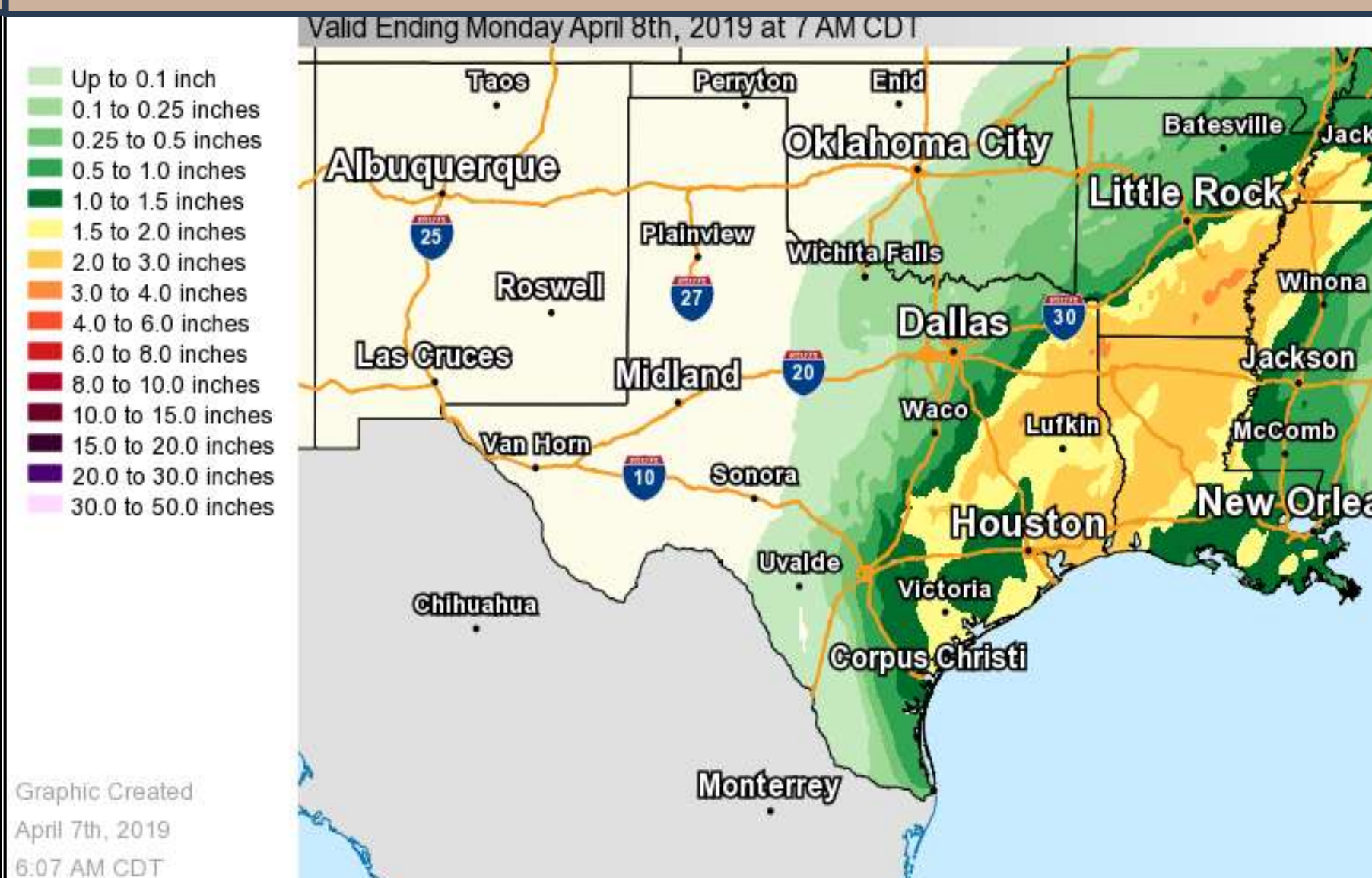


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## Forecast Chart



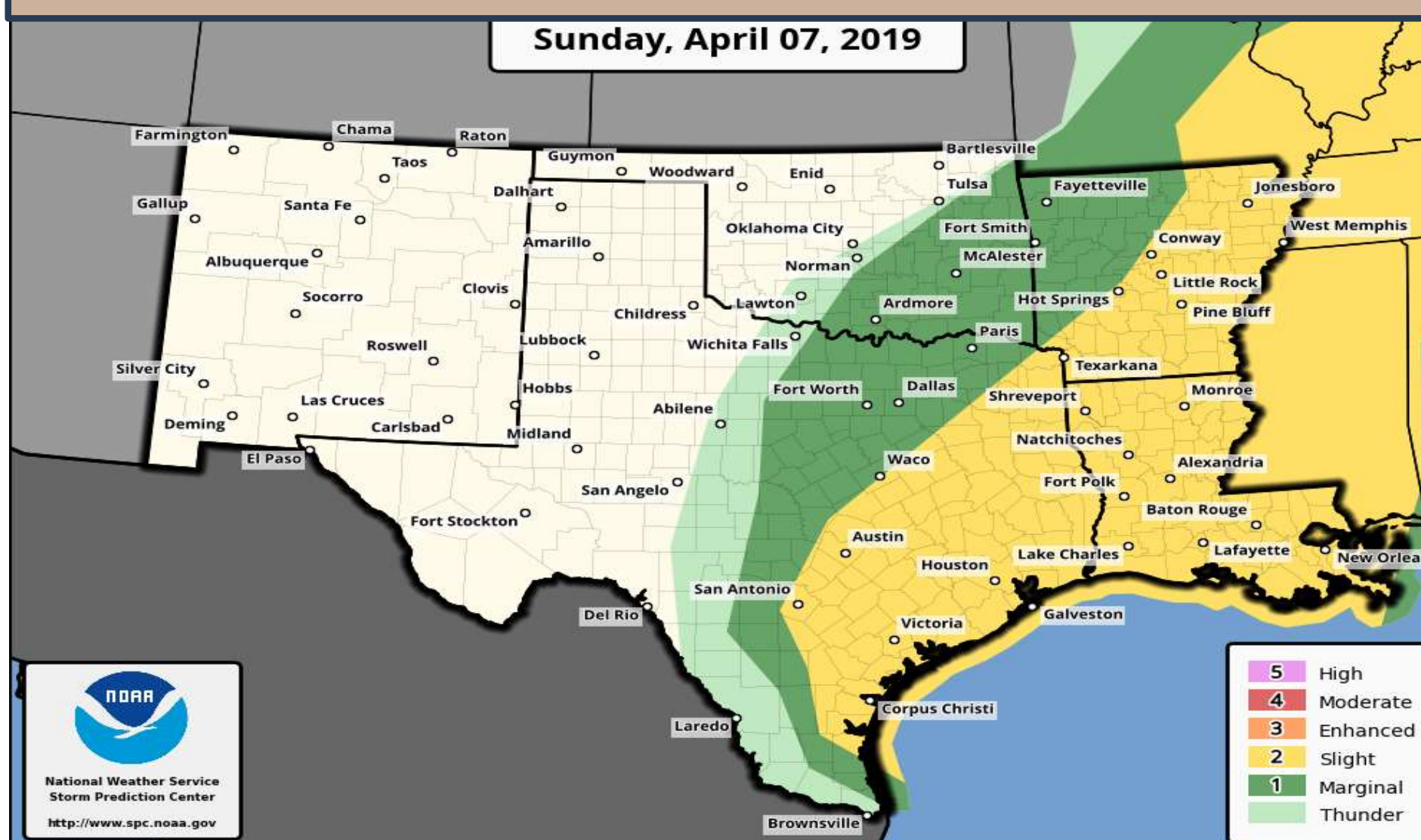
## Forecast Rainfall



**Slight risk of severe thunderstorms across E/SE TX, AR and LA. Damaging winds, hail, and a few tornadoes possible.**

**Heavy rainfall / flash flooding possible over much of E TX, LA and SE AR.**

## Severe Weather Outlook



## Excessive Rainfall Outlook





# Watches, Warnings, and Advisories



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## Fire Weather



Graphic Created

## Severe Weather & Flooding



Graphic Created

**Severe thunderstorm  
watch in effect for much of  
STX through later this  
morning.**

**Flash flood watches in  
effect for portions of the  
TX coast & SW LA  
through this  
afternoon/tonight.**

## Strong & Gusty Winds



Graphic Created

## Winter Weather



Graphic Created



# Tomorrow's Weather

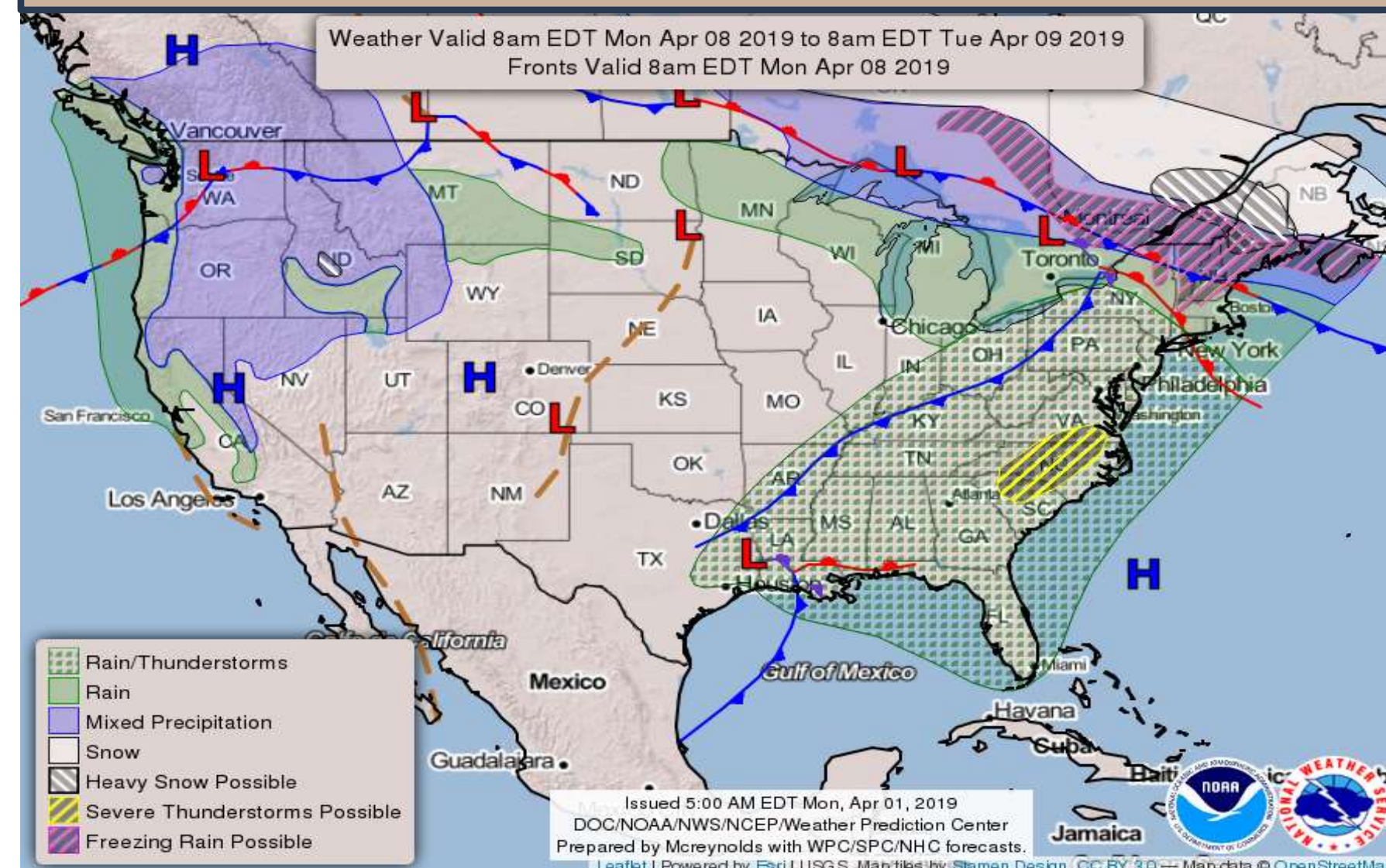


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## Forecast Chart

## Forecast Rainfall

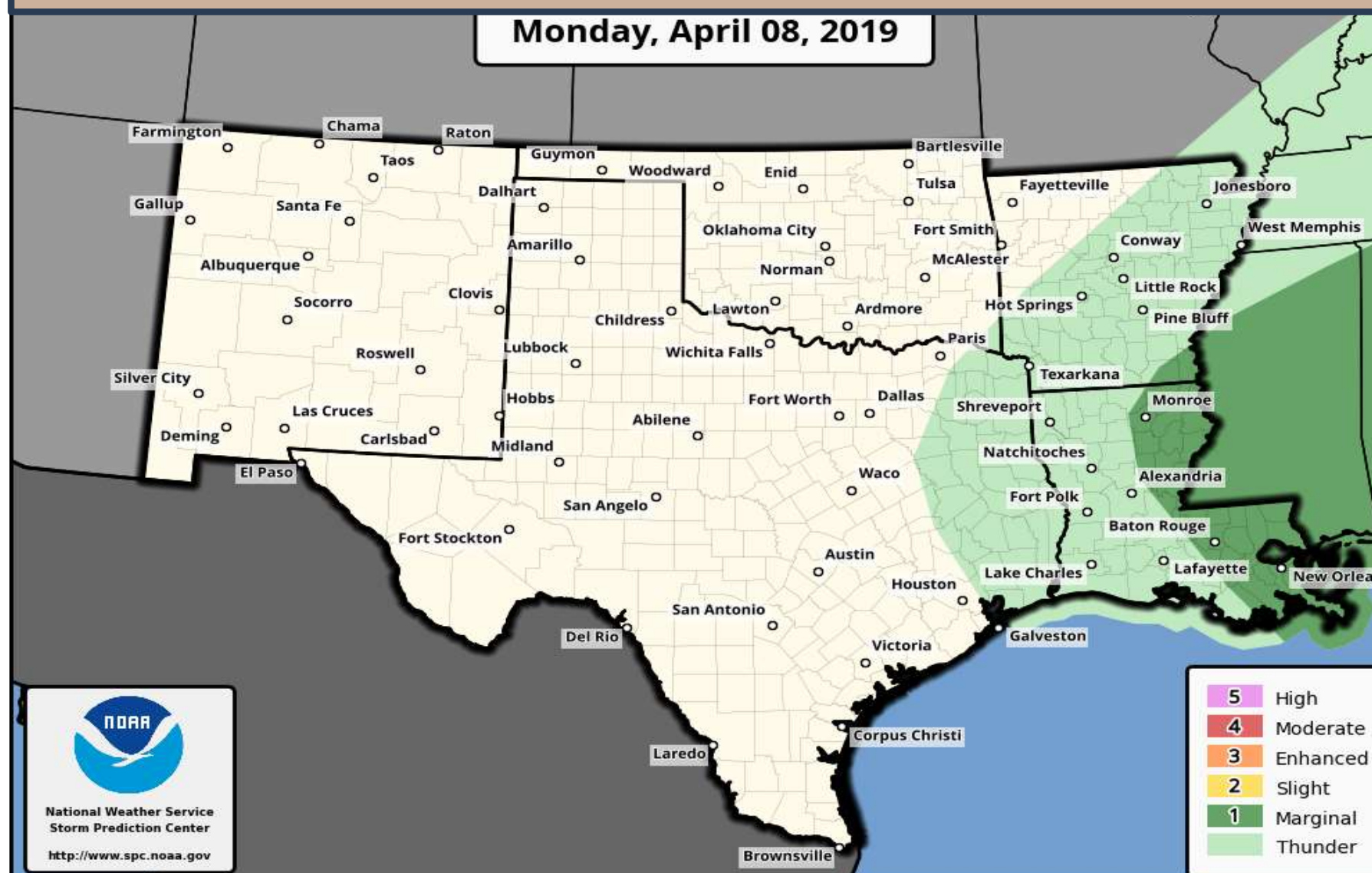
A few strong storms remain possible over E/SE LA; damaging winds are the main threat.



Graphic Created  
April 7th, 2019  
6:08 AM CDT

## Severe Weather Outlook

## Excessive Rainfall Outlook



Graphic Created  
April 7th, 2019  
6:08 AM CDT





# Tuesday's Weather

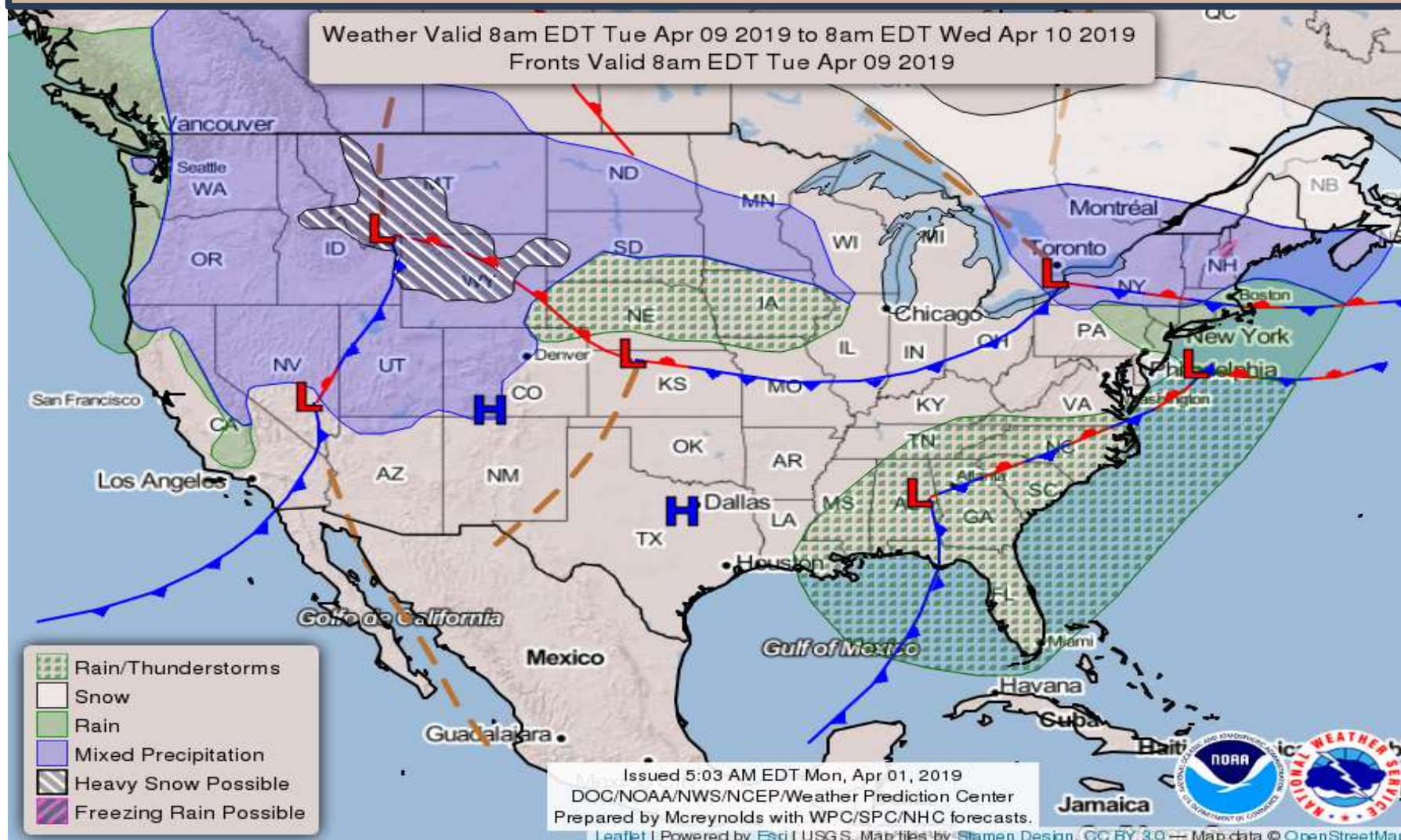


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## Forecast Chart

## Forecast Rainfall

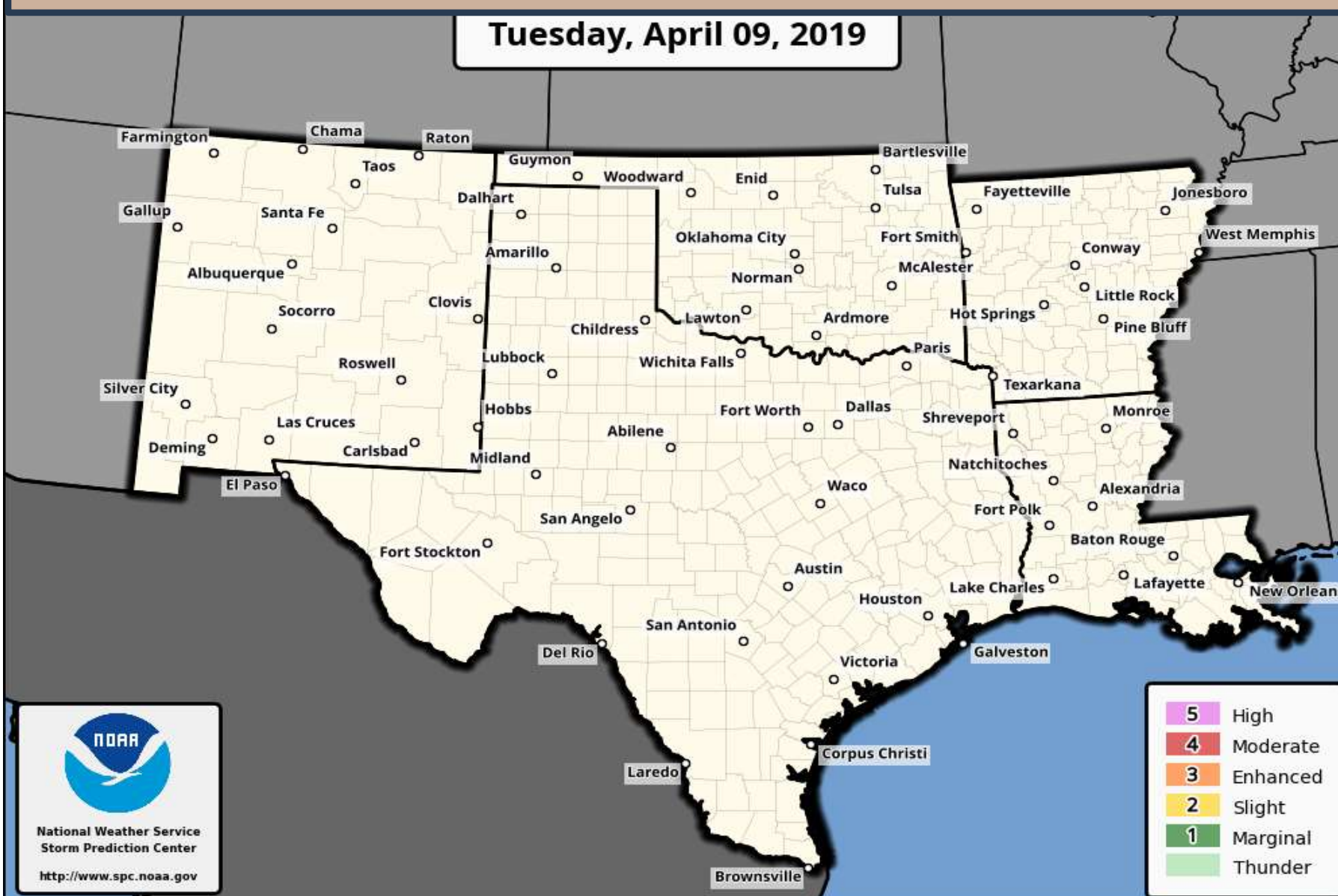
**Elevated to critical fire weather conditions possible over SE NM and most of WTX.**



Graphic Created  
April 7th, 2019

## Severe Weather Outlook

## Excessive Rainfall Outlook



Graphic Created  
April 7th, 2019  
AM CDT

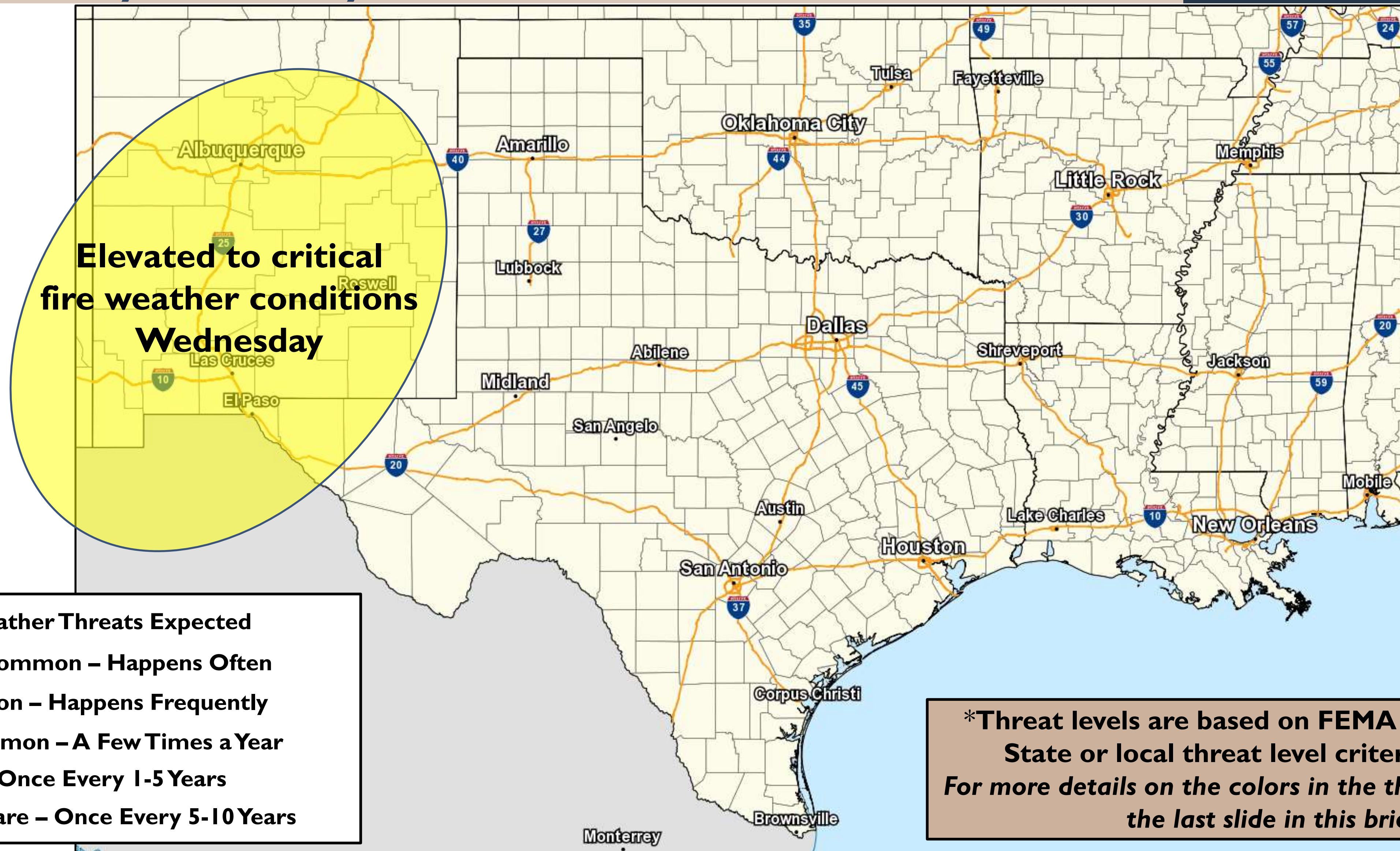


# Days 4-5 Weather Hazards

Wednesday – Thursday



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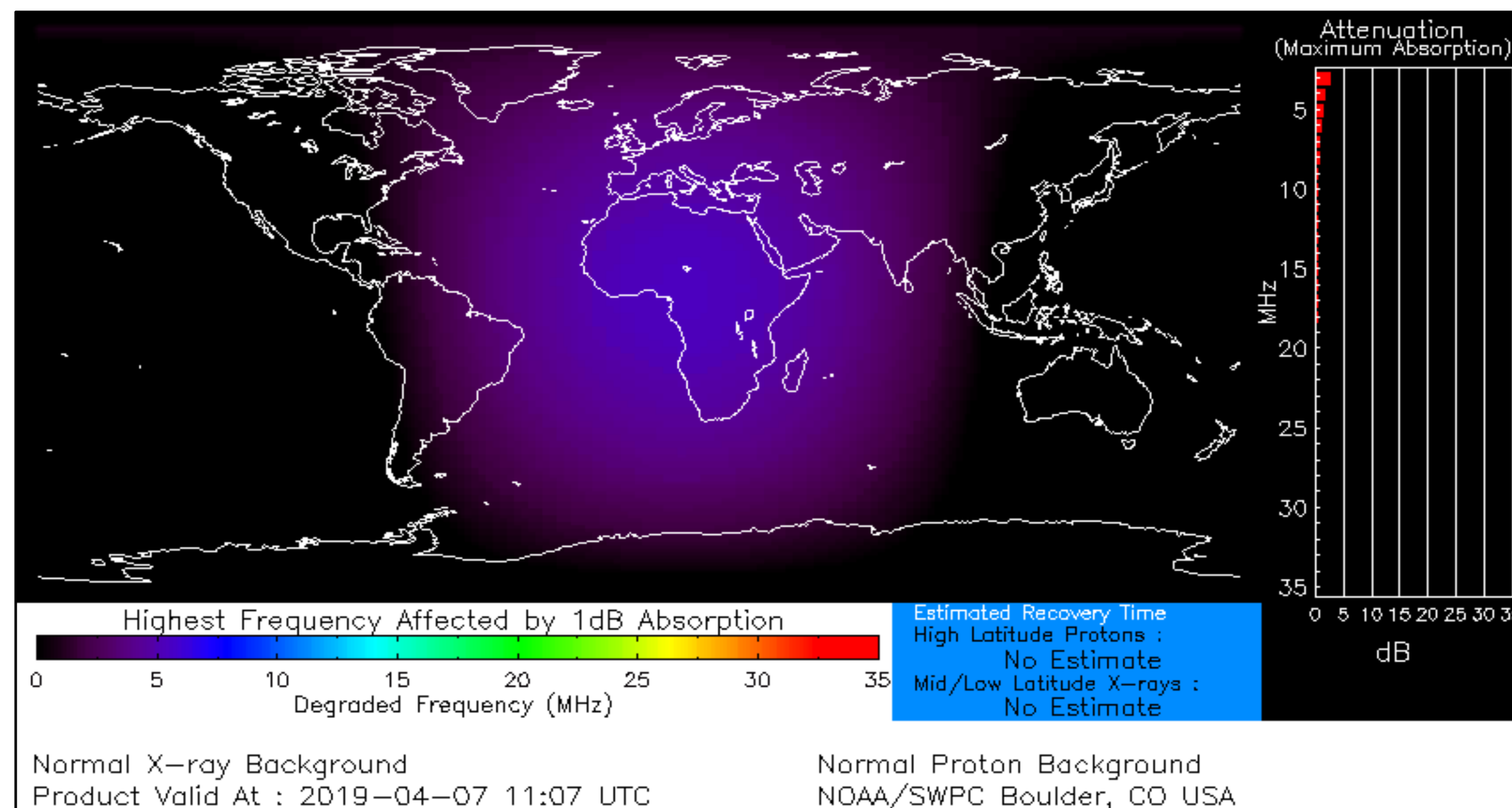


# Space Weather 3-Day Forecast



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	Sunday	Monday	Tuesday
<b>Geomagnetic Storms</b>	<b>Quiet to Unsettled (Max Kp = 3)</b>	<b>Quiet to Unsettled (Max Kp = 3)</b>	<b>Quiet (Max Kp = 2)</b>
<b>Solar Radiation Storm (S1-S5)</b>	1%	1%	1%
<b>Radio Blackout (R1-R2)</b>	1%	1%	1%
<b>Radio Blackout (R3-R5)</b>	1%	1%	1%



[Click here for a  
Description of the Space  
Weather Storm Scales](#)

[Click here for the Latest  
3-Day Space Weather  
Forecast Text](#)







# For more information, please contact:

**National Weather Service**  
Southern Region Headquarters  
Regional Operations Center  
Fort Worth, TX

Phone: (682) 703-3747

E-mail: [sr-srh.roc@noaa.gov](mailto:sr-srh.roc@noaa.gov)

Web: <http://www.weather.gov/srh>





Weather “Threat” Matrix			
Color	Definition	Criteria	Example(s)
Green	<b>Very Common</b> Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Little Inconvenience to Daily Routines	Severe: Marginal Risk from SPC Flooding: Minor flooding expected over localized areas Tropical: None Fire Weather: No Watches/Warnings, fuel moisture above 10% or green up active	<ul style="list-style-type: none"> <li>Thunderstorms expected over LA this afternoon; a few may produce winds to knock down a few trees</li> <li>Something that happens almost every day in a particular season such as <u>seabreeze</u> storms in coastal TX</li> </ul>
Yellow	<b>Somewhat Common – Happens Frequently</b> Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Some Inconvenience to Daily Life	Severe: Slight Risk from SPC Flooding: Nuisance flooded expected for a widespread area, or Minor flooding expected over isolated areas Tropical: A weak tropical wave expected to move towards or near any coastline Fire Weather: Red Flag Watches/Warnings and/or SPC outlines enhanced or critical fire outlook	<ul style="list-style-type: none"> <li>2-3 inches of rainfall expected over central AR today and tonight; some minor (brief) street flooding possible</li> <li>Scattered severe storms possible, one or two tornadoes expected, along with reports of strong winds/wind damage and ~1” hail</li> </ul>
Orange	<b>Uncommon – A Few Times a Year</b> Safety: Often Threatening to Life and Property, Some Damage Unavoidable Impact Potential: Typically Results in Minor Disruption to Daily Life	Severe: Enhanced Risk from SPC Flooding: Minor flooding expected over a widespread area (including urban locations), or Moderate flooding expected over isolated areas Tropical: A Tropical Storm expected to move towards or near any coastline Fire: Critical fire outlook for more than 2 consecutive days, Warnings for 2 or more consecutive days, D3-D4 drought conditions	<ul style="list-style-type: none"> <li>A snow/sleet mix is expected to move through or near the DFW area tomorrow morning; travel impacts likely</li> <li>Numerous severe storms possible, a few tornadoes possible along with several reports of wind damage along with damaging hail</li> <li>Some large fires reported, burn bans advertised, critical conditions expected</li> </ul>
Red	<b>Rare – Once every 1-5 Years</b> Safety: Extensive Property Damage Likely, Life Saving Actions Also will be Needed Impact Potential: Will likely result in Large Disruption to Daily Life	Severe: Moderate Risk from SPC Flooding: Moderate flooding expected over a widespread area (including urban locations) Tropical: A Hurricane expected to move towards or near any coastline Fire: Large areas of critical conditions for 2 or more days, Warnings for 3 or more days, Severe to extreme drought	<ul style="list-style-type: none"> <li>A Category 1 hurricane will be moving towards the NW Gulf in the next few days</li> <li>Widespread severe storms likely, strong tornadoes, widespread wind damage, and destructive hail</li> <li>Large fires ongoing throughout the area with critical fire weather conditions expected to continue</li> </ul>
Purple	<b>Very Rare – Once Every 5-10 Years</b> Safety: Property Damage Unavoidable, Immediate Action to Save Life will be Needed Impact Potential: Typically Results in Long-Lived Widespread Major Disruption to Daily Life	Severe: High Risk from SPC Flooding: Major flooding expected over a widespread area (including urban locations) Tropical: A Major Hurricane (Cat3 or greater) expected to move towards or near any coastline Fire: Large area of critical conditions for 2 or more days, Warnings for 3 or more days, Long term (months) of severe to extreme drought	<ul style="list-style-type: none"> <li>A Category 4 hurricane is headed towards the SE LA; major storm surge, flooding and damaging winds anticipated to begin tomorrow</li> <li>Widespread severe storms expected, tornado outbreak probable with long-lived, very widespread and particularly intense storms</li> </ul>

**Criteria for the color codes in this briefing is to the left, please provide any feedback to**

**[sr-srh.roc@noaa.gov](mailto:sr-srh.roc@noaa.gov)**